west virginia department of environmental protection

Division of Air Quality
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Charleston, WV 25304
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Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

December 2, 2016

CERTIFIED MAIL
7199 9991 7034 1382 2688

Bobby E. Hypes, Jr., Authorized Representative
Raven Crest Contracting, LLC
1295 Ashford Hill Road
Ashford, WV 25009

Re: Application Status: Approved
Raven Crest Contracting, LLC
Bull Creek Preparation Plant Facility
Registration Application G10-D047G
Plant ID No. 005-00075

Dear Mr. Hypes:

Your application for a General Permit G10-D registration to modify a wet wash coal preparation plant and railcar loadout as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed registration G10-D047G is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

A copy of the complete General Permit G10-D may be obtained from the DAQ's website at the following address: http://www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx.

This permit does not affect 45CSR30 applicability. The source is a nonmajor source subject to 45CSR30.

In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a Certified Emissions Statement (CES) and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions, please contact me at (304) 926-0499, ext. 1210.

Sincerely,

Daniel P. Roberts, Engineer Trainee
NSR Permitting Section

Enclosures

c: Donna Toler

West Virginia Department of Environmental Protection
Division of Air Quality

Earl Ray Tomblin
Governor

Randy C. Huffman
Cabinet Secretary

Class II General Permit
G10-D Registration to Modify

for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation,
Administrative Update and Operation of
Coal Preparation Plants and Coal Handling Operations

The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of General Permit G10-D.

G10-D047G

Issued to:
Raven Crest Contracting, LLC
Bull Creek Preparation Plant Facility
005-00075

William F. Durham
Director

Issued: December 2, 2016

This Class II General Permit Registration will supercede and replace registration G10-D047F approved on January 29, 2015.

Facility Location:	Ashford, Boone County, West Virginia
Mailing Address:	1295 Ashford Hill Road, Ashford, WV 25009
Facility Description:	Wet Wash Coal Preparation Plant
SIC Codes:	1221 (Bituminous Coal & Lignite - Surface) 1222 (Bituminous Coal & Lignite - Underground)
NAICS Codes:	212111 (Bituminous Coal and Lignite Surface Mining) 212112 (Bituminous Coal Underground Mining)
UTM Coordinates:	438.83 km Easting • 4228.36 km Northing • NAD 83 Zone 17N
Lat/Lon Coordinates:	Latitude: 38.201113 • Longitude: -81.698626 • NAD83
Registration Type:	Modification
Description of Change:	Modification to add one refuse filter belt conveyor BC-10 and change the control device for raw coal screen SS-01 and transfer points TP-04 and TP-05 from FW (full enclosure with water sprays) to PW (partial enclosure with water sprays).

Subject to 40CFR60 Subpart Y? Yes
Subject to 40CFR60 Subpart IIII? No
Subject to 40CFR60 Subpart JJJJ? No

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

This permit does not affect 45CSR30 applicability. The source is a nonmajor source subject to 45CSR30.

All registered facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

The following sections of Class II General Permit G10-D apply to the registrant:

Section 5	Coal Preparation and Processing Plants and Coal Handling Operations	☐☑
Section 6	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after October 27, 1974, and on or before April 28, 2008 (40CFR60 Subpart Y)	☐
Section 7	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after April 28, 2008, and on or before May 27, 2009 (40CFR60 Subpart Y)	☐
Section 8	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after May 27, 2009 (40CFR60 Subpart Y)	☐☑
Section 9	Reciprocating Internal Combustion Engines (R.I.C.E.)	☐
Section 10	Tanks	☐
Section 11	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII)	☐
Section 12	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)	☐

Emission Units

Equip-ment ID No.	Date of Construction, Reconstruction or Modification [1]	G10-D Applicable Sections [2]	Emission Unit Description	Maximum Permitted Throughput		Control Device [3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device [3]
Raw Coal Circuit									
OS-01	C 2013	5 and 8	Raw Coal Stockpile - maximum 100,000 tons capacity, 188,869 ft² base area and 75' height - receives raw coal from trucks, stores it and then a front-end loader transfers it to BS-01	300	2,628,000	SW-WS	B A	TP-01 TP-02	UL-MDH UD-PW
BS-01	C 2013	5 and 8	Raw Coal Bin - 80 tons capacity - receives raw coal from OS-01 via a front-end loader and then feeds it onto BC-01	300	2,628,000	PW	B A	TP-02 TP-03	UD-PW TC-FE
BC-01	C 2013	5 and 8	42" Belt Conveyor - receives raw coal from BS-01 and transfers it to SS-01	300	2,628,000	PE	B A	TP-03 TP-04	TC-FE TC-PW
SS-01	C 2013	5 and 8	Raw Coal Double Deck Screen - receives raw coal from BC-01, sizes it and then the oversize raw coal drops into CR-01 while the sized raw coal drops onto BC-02	300	2,628,000	PW	B A A	TP-04 TP-06 TP-05	TC-PW TC-FW TC-PW
CR-01	C 2013	5 and 8	Hammermill Double Roll Crusher - receives oversize raw coal from SS-01, crushes it and then drops it onto BC-02	300	2,628,000	FW	B A	TP-06 TP-07	TC-FW TC-FW
BC-02	C 2013	5 and 8	Belt Conveyor - receives sized raw coal from SS-01 and CR-01 and transfers it to SS-02	300	2,628,000	PE	B B A	TP-05 TP-07 TP-08	TC-PW TC-FW TC-FW
SS-02	C 2013	5 and 8	8x16 Double Deck Screen - receives sized raw coal from BC-02, sizes it and then transfers it to the wet wash system	300	2,628,000	FW	B A	TP-08 TP-09	TC-FW TC-FW
Direct Ship Coal Circuit									
BS-02	M 2013 C 2003	5 and 8	Direct Ship Coal Truck Dump Bin - 150 tons capacity - receives direct ship coal from trucks and then feeds it onto BC-04	500	4,380,000	PW	B A	TP-12 TP-13	UD-PW TC-FW

Equip-ment ID No.	Date of Construction, Reconstruction or Modification [1]	G10-D Applicable Sections [2]	Emission Unit Description	Maximum Permitted Throughput		Control Device [3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device [3]
BC-04	M 2013 C 2003	5 and 8	36" Belt Conveyor - receives direct ship coal from BS-02 and transfers it to SS-03	500	4,380,000	PE	B A	TP-13 TP-14	TC-FW TC-FW
SS-03	M 2013 C 2003	5 and 8	Direct Ship Coal Double Deck Screen - receives direct ship coal from BC-04, sizes it and then the oversize direct ship coal drops into CR-02 while the sized direct ship coal drops onto BC-05	500	4,380,000	FW	B A A	TP-14 TP-16 TP-15	TC-FW TC-FW TC-FW
CR-02	M 2013 M 2011 C 2005	5 and 8	Hammermill Double Roll Crusher - receives oversize direct ship coal from SS-03, crushes it and then drops it onto BC-05	500	4,380,000	FW	B A	TP-16 TP-17	TC-FW TC-FW
BC-05	M 2013 C 2003	5 and 8	42" Belt Conveyor - receives sized direct ship coal from SS-03 and CR-02 and transfers it to BC-06	500	4,380,000	PE	B A	TP-17 TP-18	TC-FW TC-FE
BC-06	M 2013 C 2003	5 and 8	42" Belt Conveyor - receives sized direct ship coal from BC-05 and transfers it to OS-02 (see Clean/Direct Ship Coal Loadout Circuit below)	500	4,380,000	PE	B A	TP-18 TP-19	TC-FE TC-MDH
Clean/Stoker Coal Loadout Circuit									
BC-03	C 2013	5 and 8	36" Plant Clean Coal Conveyor - receives clean coal from the wet wash system and transfers it to OS-02	200	1,752,000	PE	B A	TP-10 TP-11	TC-FW TC-MDH
OS-02	M 2013 M 2011 C 2003	5 and 8	Clean Coal Stockpile - maximum 100,000 tons capacity, 188,869 ft^2 base area and 75' height - receives clean coal from BC-03 and direct ship coal from BC-06 (see Direct Ship Coal Circuit above), stores it and then it is reclaimed by underground feeders onto BC-07	----	6,132,000	SW-WS	B B A	TP-11 TP-19 TP-20	TC-MDH TC-MDH LO-UC
BC-07	M 2013 C 2007	5 and 8	72" Belt Conveyor - receives clean/direct ship coal from OS-02 via underground feeders and transfers it to BC-08	3,500	6,132,000	PE	B A	TP-20 TP-21	LO-UC TC-FE
BC-08	M 2013 C 2007	5 and 8	72" Belt Conveyor - receives clean/direct ship coal from BC-07 and transfers it to BS-03	3,500	6,132,000	PE	B A	TP-21 TP-22	TC-FE TC-FE
BS-03	M 2013 M 2011 C 2007	5 and 8	Surge Bin - 240 tons capacity - receives clean/direct ship coal from BC-08 and then feeds it into BS-04	3,500	6,132,000	FE	B A	TP-22 TP-23	TC-FE TC-FE
BS-04	M 2013 M 2011 C 2007	5 and 8	Loadout Bin - 120 tons capacity - receives clean/direct ship coal from BS-03 and loads it into railcars through a telescopic chute	3,500	6,132,000	FE	B A	TP-23 TP-24	TC-FE LR-TC
Refuse Circuit									
BC-10	C 2016	5 and 8	Filter Press Refuse Belt Conveyor - receives refuse from the wet wash system and transfers it onto BC-09	100	876,000	N	B A	TP-29 TP-30	TC-FW TC-FE
BC-09	C 2013	5 and 8	36" Belt Conveyor - receives refuse from the wet wash system and BC-10 and transfers it to BS-05	200	1,752,000	PE	B B A	TP-25 TP-30 TP-26	TC-FW TC-FE TC-FE
BS-05	C 2013	5 and 8	Refuse Bin - 200 tons capacity - receives refuse from BC-09 and then loads it into trucks through a fixed chute for delivery to the disposal area	200	1,752,000	FE	B A A	TP-26 TP-27 TP-28	TC-FE LO-MDH UL-MDH

[1] In accordance with 40 CFR 60 Subpart Y, coal processing and conveying equipment, coal storage systems, and coal transfer and loading systems constructed, reconstructed, or modified after April 28, 2008 shall not discharge gases which exhibit 10 percent opacity or greater. For open storage piles constructed, reconstructed, or modified after May 27, 2009, the permittee shall prepare and operate in accordance with a fugitive coal dust emissions control plan that is appropriate for site conditions.

[2] All registered affected facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

[3] Control Device Abbreviations: FE - Full Enclosure; FW - Full Enclosure with Water Sprays; PE - Partial Enclosure; PW - Partial Enclosure with Water Sprays; WS - Water Sprays; TC - Telescopic Chute; UC - Under-pile Conveyor (full enclosure); MDH - Minimize Drop Height; and N - No Control.

Emission Limitations

Facility-wide Emissions - G10-D047G **Raven Crest Contracting, LLC Bull Creek Preparation Plant Facility**	**Maximum Controlled PM Emissions**		**Maximum Controlled PM_{10} Emissions**	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	0.48	2.12	0.23	0.99
Unpaved Haulroad Emissions	88.26	386.63	25.51	111.74
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
Fugitive Emissions Total	*88.74*	*388.75*	*25.74*	*112.73*
Point Source Emissions				
Equipment Emissions	15.60	68.33	7.33	32.11
Transfer Point Emissions	4.95	11.52	2.34	5.45
Point Source Emissions Total (PTE)	*20.55*	*79.85*	*9.67*	*37.56*
FACILITY EMISSIONS TOTAL	**109.29**	**468.60**	**35.41**	**150.30**

Storage Tanks - *Not Applicable*

Source ID No.	Status	Content	Design Capacity			Orientation	G10-D Applicable Sections
			Volume	Diameter	Throughput		

Engines - *Not Applicable*

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
		Nitrogen Oxides		
		Carbon Monoxide		
		Volatile Organic Compounds		
		Particulate Matter (<10 microns)		
		Sulfur Dioxide		
		Formaldehyde		

Control Devices - *Not Applicable*

Control Device ID No.	Source ID No.	Date Constructed, Reconstructed, or Modified	Emission Unit Description (Make, Model, Serial No., etc.)

Reciprocating Internal Combustion Engines - *Not Applicable*

Emission Unit ID No.	Emission Unit Description (Make, Model, Serial No., etc.)	Year Installed	Design Capacity (Bhp/rpm)

Reciprocating Internal Combustion Engines (R.I.C.E.) Information - *Not Applicable*

Emission Unit ID No.	Subject to 40CFR60 Subpart IIII?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 9.1.4/9.2.1 (Catalytic Reduction Device)